

ABSTRACT OF THE DISCLOSURE

An antenna on a printed circuit board (PCB) with a compensating capacitor. The antenna has a radiator disposed over a first surface of the PCB. Wherein the radiator includes a signal feeding section and a tuning section coupled together at a joint. The
5 tuning section includes a bending portion. Also and, a ground layer with or without a protruding portion is disposed on a second surface of the PCB, wherein the bending portion of the tuning section is overlapping with the ground layer to form the compensating capacitor. In addition, the radiator can also have a short circuit stub section, electrically coupled to the ground layer.

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